

WHAT IS CLAIMED IS:

1. A method for caching information in a browser comprising:
 - (a) requesting a web page;
 - (b) receiving a web page in a browser in response to the request, wherein the
5 web page comprises an applet tag;
 - (c) requesting an applet identified by the applet tag;
 - (d) receiving the applet;
 - (e) executing the applet, wherein the applet is configured to:
 - (1) request a web object that is likely to be accessed next;
 - 10 (2) receive the requested web object; and
 - (3) copy the requested web object into a cache of the browser.
2. The method of claim 1 wherein the web object is a hypertext markup
language (HTML) document.
15
3. The method of claim 1 wherein the applet is further configured to receive an
object list of one or more web objects likely to be accessed next and wherein the request for
the web object is for a web object in the object list.
- 20 4. The method of claim 3 wherein the one or more web objects in the object
list are ordered by statistical significance and the applet requests each web object in the list in
the statistical significance order.

5 5. The method of claim 1 wherein the request for a web object comprises a request for statistical information regarding a web page most likely to be accessed directly after the current web page being viewed on the browser and wherein only a statistically significant web object is received by the applet.

6. The method of claim 1 wherein the applet is further configured to:
parse contents of the web page; and
create a web object list that contains each link to another web page that is identified
10 from the parsing, wherein each web object requested by the applet is a web object from the web object list.

7. The method of claim 6 wherein upon receiving a web object requested from the web object list, the applet is further configured to:
15 parse contents of the web object received;
identify any link to another web page; and
add the identified link to the web object list.

8. The method of claim 8 wherein the applet does not interfere with normal
20 processing of the browser.

9. A method for caching information comprising:

- (a) receiving a request for a web page in a server;
- (b) obtaining a web page comprising an applet tag;
- (c) transmitting the web page to a client;
- (d) receiving a request, in the server, for an applet identified by the applet tag;
- 5 (e) transmitting the applet to the client, wherein the applet is configured to:

- (1) request, from the server, a web object that is likely to be accessed next; and

- (2) copy the requested web object into a cache of a browser on the client; and

- 10 (f) transmitting the requested web object to the client.

10. The method of claim 9 wherein the obtaining comprises retrieving a static web page from a web page library on the server.

15 11. The method of claim 10 further comprising adding an applet tag to the static web page.

12. The method of claim 9 wherein the obtaining comprises using a filter that dynamically tags the web page as the web page is being transmitted to the client.

20 13. The method of claim 9 wherein the obtaining comprises dynamically creating a web page.

14. The method of claim 9 further comprising transmitting a web object list to the client.

5 15. The method of claim 9 further comprising maintaining access statistics for the web page, wherein the access statistics are statistics for web objects accessed after the web page.

10 16. The method of claim 15 wherein the maintaining comprises maintaining a web agent table with slots, wherein each slot represents a location to find the access statistics for a web page.

15 17. The method of claim 16 wherein a hash function performed on a uniform resource locator (URL) for a web page identifies the slot containing the access statistics for that web page.

18. The method of claim 16 wherein the access statistics in each slot are ordered by most linked to web objects to least linked to web objects.

20 19. The method of claim 18 further comprising transmitting a subset of the slot for the requested web page to the applet.

20. A system for caching information comprising:

(a) a client;

(b) an application on the client, the application configured to:

(1) request a web page;

5 (2) receive a web page in a browser in response to the request, wherein
the web page comprises an applet tag;

(3) request an applet identified by the applet tag;

(4) receive the applet;

(5) execute the applet, wherein the applet is configured to:

10 (i) request a web object that is likely to be accessed next;

(ii) receive the requested web object; and

(iii) copy the requested web object into a cache of the browser.

21. The system of claim 20 wherein the web object is a hypertext markup

15 language (HTML) document.

22. The system of claim 20 wherein the applet is further configured to receive an
object list of one or more web objects likely to be accessed next and wherein the request for
the web object is for a web object in the object list.

20

23. The system of claim 22 wherein the one or more web objects in the object list are ordered by statistical significance and the applet requests each web object in the list in the statistical significance order.

5 24. The system of claim 20 wherein the request for a web object comprises a request for statistical information regarding a web page most likely to be accessed directly after the current web page being viewed on the browser and wherein only a statistically significant web object is received by the applet.

10 25. The system of claim 20 wherein the applet is further configured to:
parse contents of the web page; and
create a web object list that contains each link to another web page that is identified from the parsing, wherein each web object requested by the applet is a web object from the web object list.

15 26. The system of claim 25 wherein upon receiving a web object requested from the web object list, the applet is further configured to:
parse contents of the web object received;
identify any link to another web page; and
20 add the identified link to the web object list.

27. The system of claim 20 wherein the applet does not interfere with normal processing of the browser.

28. A system for caching information comprising:

- 5
- (a) a server;
- (b) an application on the server, the application configured to:
- 10
- (1) receive a request for a web page;
- (2) obtain a web page comprising an applet tag;
- (3) transmit the web page to a client;
- (4) receive a request for an applet identified by the applet tag;
- (5) transmit the applet to the client, wherein the applet is configured to:
- (i) request, from the server, a web object that is likely to be accessed next; and
- (ii) copy the requested web object into a cache of a browser on
- 15
- the client; and
- (6) transmit the requested web object to the client.

29. The system of claim 28 wherein the server is configured to obtain a web page by retrieving a static web page from a web page library on the server.

20

30. The system of claim 29 further comprising adding an applet tag to the static web page.

31. The system of claim 28 wherein the server is configured to obtain by using a filter that dynamically tags the web page as the web page is being transmitted to the client.

5 32. The system of claim 28 wherein the server is configured to obtain by dynamically creating a web page.

33. The system of claim 28 wherein the server is further configured to transmit a web object list to the client.

10

34. The system of claim 28 wherein the server is further configured to maintain access statistics for the web page, wherein the access statistics are statistics for web objects accessed after the web page.

15

35. The system of claim 34 wherein the server is configured to maintain by maintaining a web agent table with slots, wherein each slot represents a location to find the access statistics for a web page.

20 36. The system of claim 35 wherein a hash function performed on a uniform resource locator (URL) for a web page identifies the slot containing the access statistics for that web page.

37. The system of claim 35 wherein the access statistics in each slot are ordered by most linked to web objects to least linked to web objects.

38. The system of claim 37 further comprising transmitting a subset of the slot
5 for the requested web page to the applet.

39. An article of manufacture comprising a program storage medium readable by a computer and embodying one or more instructions executable by the computer to perform a method for caching information, the method comprising:

- 10
- (a) requesting a web page;
 - (b) receiving a web page in a browser in response to the request, wherein the web page comprises an applet tag;
 - (c) requesting an applet identified by the applet tag;
 - (d) receiving the applet;
 - 15 (e) executing the applet, wherein the applet is configured to:
 - (1) request a web object that is likely to be accessed next;
 - (2) receive the requested web object; and
 - (3) copy the requested web object into a cache of the browser.

20 40. The article of manufacture of claim 39 wherein the web object is a hypertext markup language (HTML) document.

41. The article of manufacture of claim 39 wherein the applet is further configured to receive an object list of one or more web objects likely to be accessed next and wherein the request for the web object is for a web object in the object list.

5 42. The article of manufacture of claim 41 wherein the one or more web objects in the object list are ordered by statistical significance and the applet requests each web object in the list in the statistical significance order.

10 43. The article of manufacture of claim 39 wherein the request for a web object comprises a request for statistical information regarding a web page most likely to be accessed directly after the current web page being viewed on the browser and wherein only a statistically significant web object is received by the applet.

15 44. The article of manufacture of claim 39 wherein the applet is further configured to:

- parse contents of the web page; and
- create a web object list that contains each link to another web page that is identified from the parsing, wherein each web object requested by the applet is a web object from the web object list.

20

45. The article of manufacture of claim 44 wherein upon receiving a web object requested from the web object list, the applet is further configured to:

parse contents of the web object received;
identify any link to another web page; and
add the identified link to the web object list.

5 46. The article of manufacture of claim 45 wherein the applet does not interfere
with normal processing of the browser.

47. An article of manufacture comprising a program storage medium readable by
a computer and embodying one or more instructions executable by the computer to perform
10 a method for caching information, the method comprising:

- 15 (a) receiving a request for a web page in a server;
- (b) obtaining a web page comprising an applet tag;
- (c) transmitting the web page to a client;
- (d) receiving a request, in the server, for an applet identified by the applet tag;
- (e) transmitting the applet to the client, wherein the applet is configured to:
- (1) request, from the server, a web object that is likely to be accessed
next; and
- (2) copy the requested web object into a cache of a browser on the
client; and
- 20 (f) transmitting the requested web object to the client.

48. The article of manufacture of claim 47 wherein the obtaining comprises retrieving a static web page from a web page library on the server.

49. The article of manufacture of claim 48, the method further comprising
5 adding an applet tag to the static web page.

50. The article of manufacture of claim 47 wherein the obtaining comprises using a filter that dynamically tags the web page as the web page is being transmitted to the client.

10

51. The article of manufacture of claim 47 wherein the obtaining comprises dynamically creating a web page.

15

52. The article of manufacture of claim 47, the method further comprising transmitting a web object list to the client.

53. The article of manufacture of claim 47, the method further comprising maintaining access statistics for the web page, wherein the access statistics are statistics for web objects accessed after the web page.

20

5 55. The article of manufacture of claim 54 wherein a hash function performed
on a uniform resource locator (URL) for a web page identifies the slot containing the access
statistics for that web page.

56. The article of manufacture of claim 54 wherein the access statistics in each
10 slot are ordered by most linked to web objects to least linked to web objects.

57. The article of manufacture of claim 56, the method further comprising transmitting a subset of the slot for the requested web page to the applet.